STEREOSCOPIC IMAGE DISPLAY DEVICE

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Inventor: GRASNICK ARMIN (DE); RELKE INGO (DE)
Applicant: GRASNICK ARMIN (DE); RELKE INGO (DE); 4D VISION GMBH (DE)
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Abstract of **WO0156302**

The invention relates to a method for spatial display. A plurality of individual image elements alpha >ij< are simultaneously made visible in a grid consisting of columns (i) and lines (j). The image elements alpha >ij< reproduce partial information related to several views A>k< (k=1...n) of a scene/the object and adjacent image elements alpha >ij< radiate light having different wavelengths/wavelengths areas. The invention also relates to arrangements for carrying out said method. According to a method of the aforementioned kind, propagation directions are provided for the light emitted by the image elements alpha >ij<. Said directions depend upon the wavelength and cross in a plurality of intersecting points within an observation area, whereby an observer is in said observation area and said intersecting points match observation positions. From each observation position, an observer mainly perceives partial information of a first selection of the views A>k< (k=1...n) by means of one eye and mainly perceives partial information of a second selection of the views A>k< (k=1...n) by means of the remaining eye.